

Application No.: 10/005669

Case No.: 57172US002

Amendments to the Claims:

The following Listing of Claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (currently amended): A curable adhesive composition comprising
polyacrylate component containing acrylic acid,
epoxy component, and
cationic initiator,

wherein the uncured adhesive ~~is provided as a layer of~~ exhibits properties of a pressure sensitive adhesive and is optically clear such that

the luminous transmission of the composition is greater than 90%,
the haze of the composition is less than 2%, and
the opacity of the composition is less than 1%,

wherein the uncured, curable adhesive can be cured to form an adhesive comprising an interpenetrating polymer network, and

wherein after aging the cured adhesive at 90°C for 500 hours

the luminous transmission of the cured and aged adhesive is greater than 90%,
the haze of the cured and aged adhesive is less than 2%, and
the opacity of the cured and aged adhesive is less than 1%.

2. (original): The adhesive of claim 1 wherein after aging at 80°C and 90% relative humidity for 500 hours

the luminous transmission of the cured and aged adhesive is greater than 90%,
the haze of the cured and aged adhesive is less than 2%, and
the opacity of the cured and aged adhesive is less than 1%.

3. (original): The adhesive of claim 1 wherein the cured adhesive consists of a single phase.

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4. (cancelled)

5. (cancelled)

6. (cancelled)

7. (original): The adhesive of claim 1 wherein the cured adhesive comprises an inter-reacted interpenetrating polymer network.

8. (original): The adhesive of claim 1 wherein the polyacrylate component is a polymer derived from free-radically polymerizable monomers selected from the group of acrylates, methacrylates, acrylic acids, and methacrylic acids.

9. (original): The adhesive of claim 1 wherein the polyacrylate component is a polymer derived from acrylic acid monomer.

10. (original): The adhesive of claim 1 comprising an epoxy component selected from the group consisting of aromatic and cycloaliphatic epoxy components.

11. (original): The adhesive of claim 1 wherein the cationic initiator comprises photoactivated cationic initiator.

12. (original): The adhesive of claim 11 wherein the photoactivated cationic initiator is selected from the group consisting of an iodonium salt, a sulfonium salt, and mixtures thereof.

13. (original): The adhesive of claim 1 comprising a photosensitizer.

14. (original): The adhesive of claim 1 comprising a free-radical photoinitiator selected from the group consisting of benzoin ethers, substituted benzoin ethers, substituted acetophenones, substituted alpha-ketols, aromatic sulfonyl chlorides, photoactive oximes, and mixtures thereof.

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15. (original): The composition of claim 1 comprising a grafting agent.
16. (original): The composition of claim 15 wherein the grafting agent is 4-acryloxy benzophenone.
17. (original): The composition of claim 15 comprising an epoxy-acrylate compound.
18. (original): The composition of claim 15 comprising crosslinker.
19. (original): The composition of claim 18 wherein the crosslinker comprises a multifunctional acrylate or (meth)acrylate.
20. (original): The composition of claim 18 wherein the crosslinker is selected from the group consisting of hexanediol diacrylate, trimethylolpropane triacrylate, and mixtures thereof.
21. (original): The composition of claim 1 comprising from about 5 to about 55 parts by weight epoxy per 100 parts by weight epoxy and polyacrylate.
22. (original): The composition of claim 1 comprising from about 10 to about 50 parts by weight epoxy per 100 parts by weight epoxy and polyacrylate.
- 23 – 41 (cancelled)
42. (currently amended): An optical element comprising a layer of the ~~The~~ adhesive of claim 1; wherein the layer of ~~pressure sensitive adhesive is provided on an optical element.~~
43. (currently amended): ~~The adhesive of claim 1.~~ The optical element of claim 42 wherein the layer of ~~pressure sensitive adhesive~~ is provided on an outgassing layer, wherein the outgassing layer comprises at least one of polycarbonate ~~and or~~ acrylic.